# imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



# Contact us

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**1HL Detector Switches** 

Japan

#### Type: **ESE18**

Detector switches that contribute to miniaturization, weight reduction, and expansion of the operation variety required for portable equipment.

#### Features

- Thin body: 1.2 mm
- Circuit type: Normally-open and a normally-closed types are available.
- Travel: Standard type: 1.5 mm Long type: 2.15
- Surface mounted type: Packed with embossed tape. Supports reflow soldering.

#### Recommended Applications

- Mechanisms or the detection of media in portable equipment (e.g. MD/CD-ROM/DVD players, DSCs)
- Operation switches (input devices)

Explanation of Part Numbers

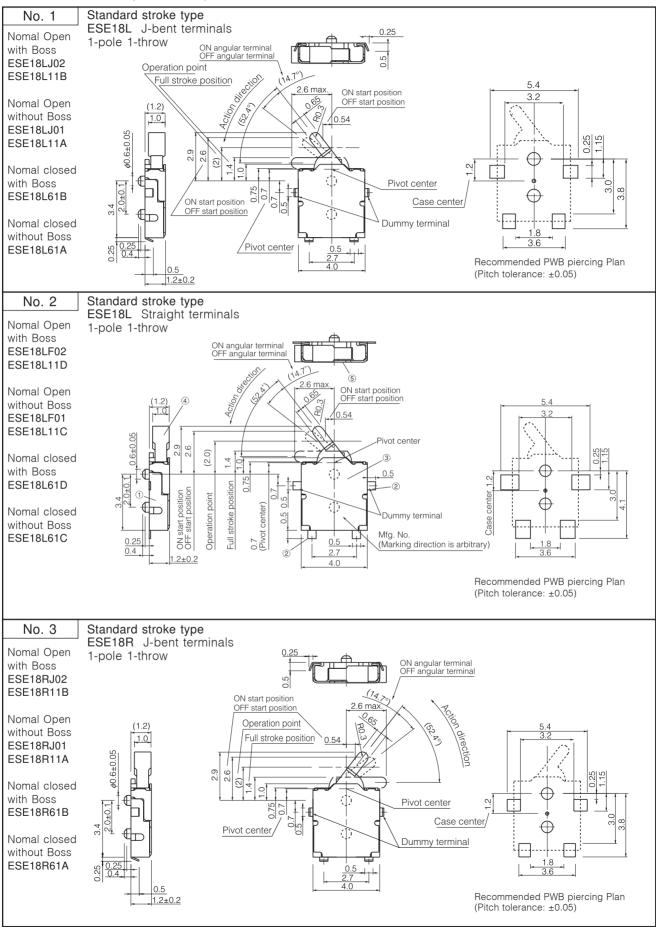
1 2 3 4 5 7 8 9 6 8 Ε S Е 1 Design No Product Code 6th Туре Left-side operation type R Right-side operation type

#### Major Specifications

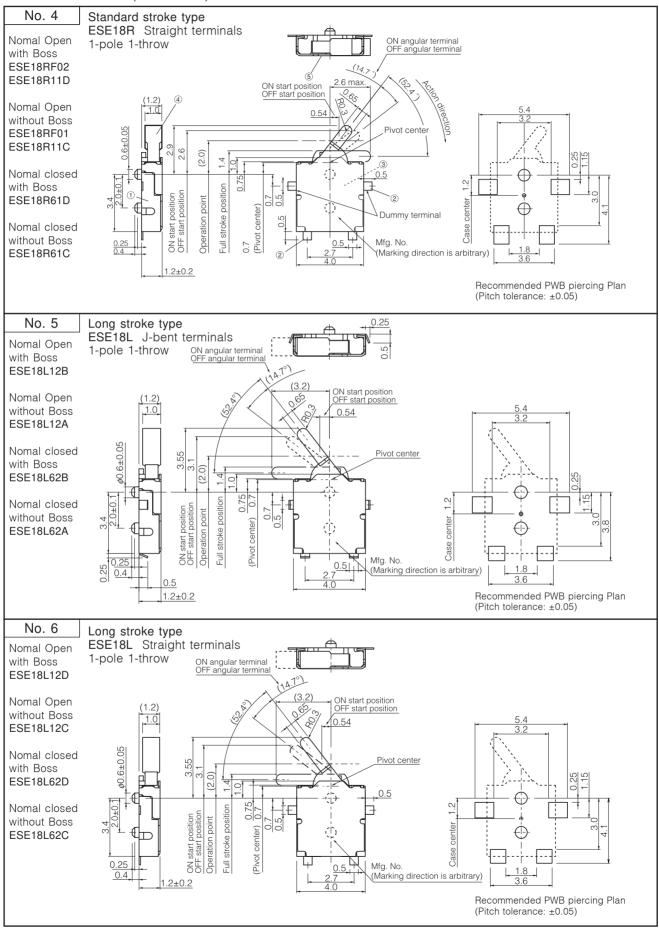
Power Rating		50 µA 3 V dc to 10 mA 5 V dc
Contact Resistance		1 Ω max.
Insulation Resistance		100 MΩ max. (100 V dc)
Dielectric Withstanding Voltage		100 V ac for 1 minute
Operating Force		300 mN max.
Full Travel		1.5 mm, 2.15 mm
Operating Life		50000 cycles min.
Temperature Range		-10 °C to +60 °C
Heat Resistance		+70 °C for 96 hours
Low Temperature Resistance		-25 °C for 96 hours
Humidity Resistance		+40 °C 90 % to 95 % RH for 96 hours
Minimum Quantity/Packing Unit	ESE18L	5000 pcs. (Reel Pack)
	ESE18R	
Quantity/Carton	ESE18L	30000 pcs.
	ESE18R	



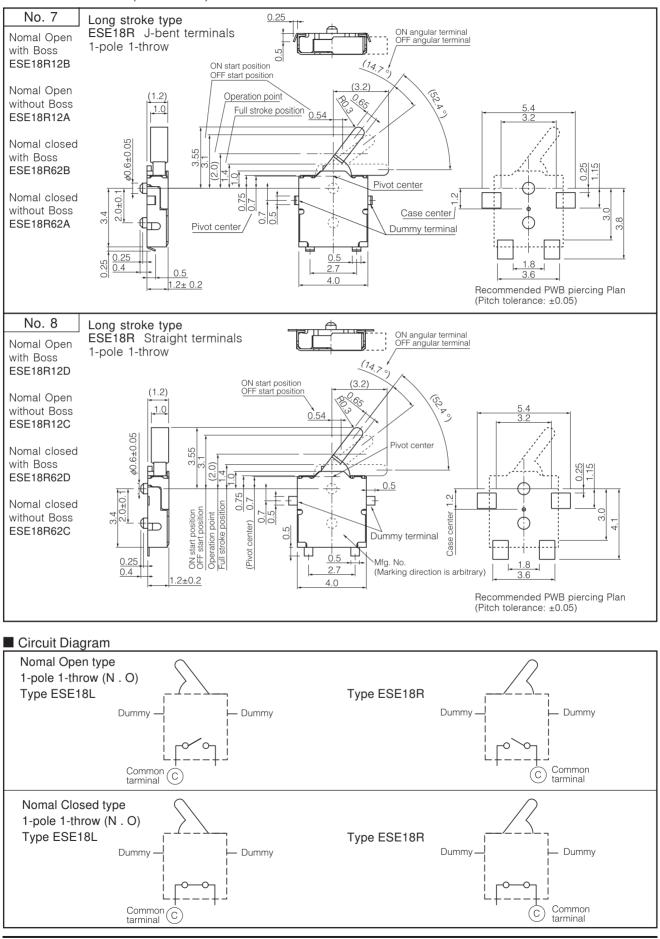
#### Dimensions in mm (not to scale)



#### Dimensions in mm (not to scale)



#### Dimensions in mm (not to scale)



#### Packaging Specifications Standard Reel Dimensions in mm



